

Amendments to the Specification:

Please replace the paragraph beginning at page 6, line 10, with the following rewritten paragraph:

Figure 1 shows a schematic representation of a cardiology image management system in which the method of the invention is employed. The cardiology image management system includes an imaging modality 1 (IM) which supplies image data to the data processing system 2 (DSP). The data processing system derives the multidimensional output data array from the image data. The multidimensional output data array is then applied to a display system 3. Also the image data from the imaging modality 1 are supplied to the data processing system. The multidimensional output data array is displayed on the display system together with the image data. Optionally, image processing may be applied to these image data by the data processing unit to improve the rendition of the image data on the display system. In the example shown in Figure 1, the imaging modality is a magnetic resonance imaging system which generates the image data in the form of perfusion images of for example the patient's myocardium. On the display system the series of myocardial perfusion images are shown with the multidimensional output data array. To this end the display system may comprise several display screens, or several display windows 31,32 may be opened on a display area